

YEGOROV, F.

Important section of trade-union work. NTO no.2:29-30 P '59.  
(MIRA 12:2)

1. Predsedatel' oblastnogo soveta profsoyuzov, g.Ivanovo.  
(Ivanovo Province--Trade unions)  
(Ivanovo Province--Research, Industrial)

YEGOROV, F.G.; BYKHOVSKIY, Yu.A.; BOCHKAREV, L.M.

Stoichiometric and heat calculations in the oxygen-enriched  
smelting of copper sulfide concentrates. TSvet. met. 36  
no.10:30-34 0 '63. (MIRA 16:12)

CA

YEGOROV, F. G.

Irrational utilization of recuperators in the modern construction of reverberatory furnaces. F. Yegorov. *Vestnik Metalloprod.* 13, No. 10, 48-51 (1963). *Chimicheskaya industriya* 32, 92 (1931). - A discussion of the shortcomings of cast Fe and refractories for heat recuperators in reverberatory furnaces. The use of special heat-resistant alloys should be studied for the construction of recuperators, or preferably of regenerators. A. Papineau-Comte

AS 4 METALLURGICAL LITERATURE CLASSIFICATION

VEGOROV, F.G.																									
Processes and Properties Index																									
The electrodistillation of yellow phosphorus. F.G. Vektor. <i>J. Chem. Ind. (Moscow)</i> No. 5, 61-4 (1954). It suggests improvements in the process. H. M. I.																									
<p>ADDITIONAL METALLURGICAL LITERATURE CLASSIFICATION</p> <p>FROM SYNOPTIC</p> <p>SYNOPTIC MAP ONLY JOL</p> <p>SYNOPTIC MAP ONLY JOL</p> <p>SYNOPTIC MAP ONLY JOL</p>																									

COMMON ELEMENTS		PROCESS AND PROPERTIES INDEX	
<p>YEGOROV, F. G.</p> <p>S</p>		<p>3</p>	
<p><b>McKee-Feld Scrubbers and Zachokke Disintegrators.</b> F. Egorov.                      (Stal, 1936, No. 10, pp. 11-25). The author has investigated the                      operation of the McKee-Feld gas scrubbers and Zachokko dis-                      integrators in the Magnitogorsk Metallurgical Works and describes                      the improvements effected to increase their efficiency. (In                      Russian).</p>			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>SECTION SYMBOLS</p>		<p>SECTION SYMBOLS</p>	
<p>SECTION SYMBOLS</p>		<p>SECTION SYMBOLS</p>	

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX										1ST AND 2ND ORDERS									
<p>YEGOROV, B.S.</p> <p>ca</p> <p>The rationalization of the use of fuel in the production of calcined and caustic soda. P. O. Egorov. J. Chem. Ind. (U.S.S.R.) 14, 1800-18 (1937).—Improvements and economies are discussed. H. M. Leicester</p>										<p>18</p>									
<p>ASB-SLA DETALLURGICAL LITERATURE CLASSIFICATION</p>										<p>1800-1809</p>									

1ST AND 2ND CIPHERS																										3RD AND 4TH CIPHERS																									
COMMON ELEMENTS																										SIGN ELEMENTS																									
<p>YEGOROV, E. I.</p> <p>CA</p> <p>Reverberatory furnaces of the Balkhash smelter and how to improve their efficiency. F. G. Egorov and Yu. A. Bykhovskii. <i>Tsvetnye Met.</i> 20, No. 6, 41-51 (1947). M. H.</p> <p>ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
<p>GROUPS</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26</p>																										<p>GROUPS</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26</p>																									

YEGOROV, F. G.

LC

FA 51T15

USSR/Engineering  
Furnaces, Annealing  
Fuel - Conservation

Jan 1948

"Controlling the Economy of Burning of Fuel in Annealing Furnaces," F. G. Yegorov, Enger, 3 pp

"Za Khim Topliva" No 1

Just as full analysis of furnace gases from preheating to determine the hot gases CO and CH<sub>4</sub> is connected with use of complex gas analyzers and requirements for qualified analysts, it is possible to use simple formulas to determine composition of the gas, and completeness of consumption of fuel. Type "Ora" gas analyzers must determine only the presence of RO<sub>2</sub> and

LC

51T15

USSR/Engineering (Contd)

Jan 1948

O<sub>2</sub> in the burned gases. Then, using methods described by Yegorov, it is possible to determine the CO content and the coefficient of surplus air. This tends to increase the simplicity and decrease the cost of controlling combustion, and permits corrections to be made while unit in operation.

51T15



YEGOROV, F.G.

DIOMIDOVSKIY, Dmitriy Aleksandrovich, professor, doktor tekhnicheskikh nauk;  
MIKHAYLENKO, A.Ya., kandidat tekhnicheskikh nauk, retsenzent;  
KRAPUKHIN, V.V., kandidat tekhnicheskikh nauk, retsenzent; YEVDOKIMENKO,  
A.I., kandidat tekhnicheskikh nauk, retsenzent; YEGOROV, F.G., inzhener,  
retsenzent; MIKHAYLENKO, A.Ya., redaktor; ARKHANGEL'SKIYA, M.S.,  
redaktor izdatel'stva; BERLOV, A.P., tekhnicheskiiy redaktor

[Furnaces for nonferrous metallurgy; construction, analysis, theory,  
calculation] Pechi tsvetnoi metallurgii; konstruktzii, issledovanie,  
teoriia, raschet. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi  
i tsvetnoi metallurgii, 1956. 459 p. (MIRA 9:12)  
(Metallurgical furnaces)

YEGOROV, F.G.

Electrolytic model for investigating the temperature distribution  
in reverbatory furnace foundations. TSvet.met.29 no.11:14-22 N '56.  
(MLRA 10:1)

1. Gintsvetmet.

(Balkhash--Electric furnaces) (Heat--Transmission)

SOV/137-59-1-34

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 4 (USSR)

AUTHORS: Yevdokimenko, A. I., Yegorov, F. G.

TITLE: Scale-model Investigation of Furnaces (Issledovaniye pechey na modelyakh)

PERIODICAL: V sb.: Materialy Soveshchaniya po vopr. raboty pechey tsvetn. metallurgii i razvitiya pirometallurgich. protsessov. Moscow, 1957, pp 38-53

ABSTRACT: A report of the main findings of a scale-model investigation of shaft and reverberatory furnaces. In order to study the movement of gases in Pb-smelting shaft furnaces, investigations were carried out on a "plastiglass" model of a rectangular shaft furnace on a 1:10 scale. A description is given of a laboratory shaft furnace used as an actual firing model for the fundamental smelting processes. A description is adduced of a method of model simulation using an electrothermal analogy for calculating the temperature field in a multi-layer mass having a complex configuration, such as the foundation of a reverberatory furnace where it is practically impossible to measure its temperature during actual operation. The

Card 1/2

SOV/I37-59-1-34

Scale-model Investigation of Furnaces

work was prompted by the disintegration of the existing foundations of reverberatory furnaces caused by an unfavorable distribution of temperatures throughout the whole mass. On the basis of experimental findings ideas for selection of foundation materials are expressed.

Yu. O.

Card 2/2



YEGOROV, F.G.

Experimental and additive enthalpy and heat absorption by complex inorganic substances. Sbor. nauch. trud. GINTSVETMET no.15:54-80 '59.

(MIRA 14:4)

(Nonferrous metals--Metallurgy)

(Enthalpy)

(Heat--Radiation and absorption)

YEVDOKIMENKO, A.I.; YEGUNOV, V.S.; YEGOROV, F.G.

Investigation of furnaces on models. Sbor. nauch. trud.  
GINTSVETMET no.15:233-256 '59. (MIRA 14:4)  
(Metallurgical furnaces--Models)

YEGOROV, F.G.; BOCHKAREV, I.M.; BYKHOVSKIY, Yu.A., kand. tekhn. nauk

Certain thermochemical regularities and stoichiometric  
correlations in the process of smelting copper sulfide  
concentrates with oxygen. Sbor. nauch. trud. Gintsvetmeta  
no.23:127-143 '65. (MIRA 18:12)



YEGOROV, F.I.

PETROV, G.G., inzhener; YEGOROV, F.I., inzhener

Using cutters with screw thread cutting edges. Der.prom. 4 no. 5:28  
My'55. (MLRA 8:10)

1. Shumerlinskiy mebel'nyy kombinat  
(Woodworking machinery)

YEGOROV, F.I.

Device for milling curved parts. Der.prom.4 no.9:25-26 S '55.  
(MLRA 8:11)

1. Shumerlinskiy mebel'nyy kombinat  
(Furniture industry) (Woodworking machinery)

YEGOROV, F.I.

Device for sharpening chain-saw mortising and milling machines.  
Der.prom. 5 no.5:24 My '56. (MLRA 9:8)

1. Shumerlinskiy mebel'nyy kombinat.  
(Shumerlya--Furniture industry) (Woodworking machinery)

YEGOROV, F.I.

Creating reserve packages on spinning machines. Tekst.prom. 17 no.2:  
57 F '57. (MLRA 10:2)

1. Nachal'nik Tkatskogo tsekha fabriki "Trudovoy kollektiv."  
(Spinning)

YEGOROV, F.I.

Machine for jointing teeth of mill saws. Der.prom. 7 no.9:24 S '58.  
(MIRA 11:11)

1. Shumerlinskiy mebel'nyy kombinat.  
(Saws)

YEGOROV, P.I.

Rolling circular saws on the PB-5 machine. Der.prom. 8  
no.6:25 Je '59. (MIRA 12:8)

1. Shumerlinskiy mebel'nyy kombinat.  
(Circular saws)

YEGOROV, F. S.

Diesel Motor - Starting

Pneumatic device for starting Diesel Engines. Energ. biul, no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

YEOROV, F. S.

Fuel Abstracts  
May 1954  
Other Prime  
Movers

③ *Inst. Automatic Control*  
✓ 3831. INSTALLING AUTOMATIC CONTROL ON DIESEL PLANT. Basov, V.S.,  
Yeorov, F.S. and Chervov, K.K. (Energi. Byull. Minist. Neft. Prom. (Pv  
Bull. Minist. Oil, Moscow), Dec. 1953, 1-8). An illustrated account of  
automatic devices which were added to 600 h.p. 500 rev/min Baldwin engines  
coupled to Westinghouse generators and used as standby plant. (L).

8-25-54  
LM  
LL



YEGOROV, F.S.

Machine for reseating valves of diesel engines. Energ.biul. no.6:  
24-25 Je '56. (MLRA 9:8)  
(Grinding and polishing) (Valves)

BAZHANOV, P.I., inzhener; YEGOROV, F.S., inzhener.

Using automatically controlled diesel generators. Energetik 4 no.9:  
1-2 S '56. (MIRA 9:10)  
(Diesel engines) (Automatic control)

LESYUKOV, V., kand.tekhn.nauk; KHOZE, A., kand.tekhn.nauk; YEGOROV, G., inzh.

Operational conditions of project 732 ships. Rec. . transp. 22 no.7:  
22-25 J1 '63. (MIRA 16:9)

(Inland water transportation)  
(Marine engines)

83172

S/056/60/039/002/009/C44  
B006/B056

24.7900

AUTHORS:

Yegorov, G. A., Yablokov, Yu. V.

TITLE:

Paramagnetic Resonance in a  $\text{CrCl}_3$  Quasi-single Crystal

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,  
Vol. 39, No. 2(8), pp. 265 - 266

TEXT: The authors investigated the electron paramagnetic resonance in chromium chloride quasi-single crystals at room temperature and  $36 \cdot 10^3 \text{Mc/sec}$ . Chromium chloride crystallizes in hexagonal layers, in which case the chromium atoms form a layer that is bounded by layers of chlorine atoms on both sides. The crystals have the shape of thin lamellas (parallel to the layers). The samples investigated consisted of several such layers (3-5); the investigation method has already been described in Ref. 4. The measurements gave the following values of the  $g$ -factor and the line width:  $g_1 = 1.989 \pm 0.001$ ,  $g_2 = 1.984 \pm 0.001$ ,  $\Delta g = 0.005 \pm 0.002$ ,  $\Delta H_1 = (98 \pm 2) \text{oe}$ ,  $\Delta H_2 = (140 \pm 5) \text{oe}$ . This shows that the  $g$ -factor of  $\text{CrCl}_3$  quasi-single crystals has a considerable anisotropy which is accompanied by a change in the width of the resonance

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Paramagnetic Resonance in a  $\text{CrCl}_3$   
Quasi-single Crystal

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S/056/60/039/002/009/044  
B006/B056

absorption curve. In the following, several possibilities of explaining the changes in the resonance line widths are discussed. Between the line widths observed and the calculated values there are considerable deviations which indicate that a strong exchange interaction exists between the  $\text{Cr}^{3+}$  ions. On the other hand, a comparison between calculated and measured  $\Delta H$ -values shows that the direction dependence of the resonance line widths is due to an anisotropy of the exchange interactions. Also a study of the  $\text{CrCl}_3$  structure leads to the same result. The frequency of the exchange interaction may be estimated as being  $\omega_{el} = 3.2 \cdot 10^{11}$  cps,  $\omega_{en} = 1.7 \cdot 10^{11}$  cps (exchange perpendicular to and in the direction of the axis of symmetry of the crystal, respectively). The authors finally thank Professor B. M. Kozyrev for suggesting the subject. There are 7 references: 3 Soviet and 4 US.

Card 2/3

83172

Paramagnetic Resonance in a  $\text{CrCl}_3$   
Quasi-single Crystal

S/056/60/039/002/009/044  
B006/B056

ASSOCIATION: Fiziko-tehnicheskiy institut Kazanskogo filiala  
Akademii nauk SSSR (Institute of Physics and  
Technology of the Kazan' Branch of the Academy of  
Sciences USSR)

SUBMITTED: March 19, 1960

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Card 3/3

YEGOROV, G.; PANFEROVA, M.

Aid to industrial workers. Zhil.-kom.khoz. 9 no.1:22-23 '59.  
(MIRA 12:3)  
1. Glavnyy inzhener tresta "Sargorgaz" (for Yegorov). 2. Starshiy  
inzhener laboratorii (for Panferova).  
(Saratov--Gas distribution)  
(Laboratories)

YEGOROV, G.; SENCHUROV, S.

How to make packing glands. Pozh.delo 10 no.2:23 F '64.  
(MIRA 17:3)



[A]  
YEGOROV, G., inzhener.

Heat properties of wheat as a function of moisture. Muk.-elev.prom.  
23 no.1:18-21 Ja '57. (MLRA 10:5)

1. Moskovskiy tekhnologicheskij institut pishchevoy promyshlennosti.  
(Wheat--Analysis)

Min Higher Education USSR  
Moscow Technological Inst  
of Food Industry - M '56  
(Dissertations for Degree of Candidate  
in Technical Science.)

So: Knizhnaya Letopis', No. 37, 1956, M.

YE GOROV, G. A.

YEGOROV, G.A., kand. tekhn. nauk.

Heat capacity of the wheat grain. Trudy MTIPP no.9:44-61 '57.  
(Wheat) (Heat capacity) (MIRA 10:12)

YEGOROV, G.A.

Calculation of the outer surface area and volume of grain.  
Izv.vys.ucheb.zav.; pishch.tekh. no.4:142-146 '59.  
(MIRA 13:2)

1. Krasnodarskiy institut pishchevoy promyshlennosti.  
Kafedra tekhnologii zerna.  
(Grain)

YEGOROV, G.A.; TIKHONOVA, T.M.; TURCHINA, G.V.

Effect of moisture on the density of the wheat kernel. *Izv.vys.*  
ucheb.zav.; pishch.tekh. no.5:17-19 '59. (MIRA 13:4)

1. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra  
tekhnologii zerna.

(Grain)

YEGOROV, G.A.  
YEROGOV, G.A.

Area of the active surface of wheat grain and the physical interpretation of the term. Izv.vys.ucheb.zav.; pishch.tekh. no.1:13-16 (MIRA 13:6)  
1960.

1. Kafedra tekhnologii zerna Krasnodarskogo instituta pishchevoy promyshlennosti.  
(Wheat) (Adsorption)

YEGOROV, G.A.

Investigation of thermophysical properties of loose food materials.  
Izv. vys. ucheb. zav. pishch. tekhn. no.2:14-16 '60.

(MIRA 14:7)

1. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra  
tekhnologii zerna.

(Food—Analysis)

YEGOROV, G.A.

Investigation of water sorption isotherms by food products.  
Izv. vys. ucheb. zav.; pishch. tekhn. no.3:3-6 '60. (MIRA 14:8)

1. Krasnodarskiy institut pishchevoy promyshlennosti.  
(Sorption) (Food)

BUDKO, A.I.; GALKIN, V.I.; YEGOROV, G.A.; DMITRIYEV, I.N., red.;  
PEVZNER, V.I., tekhn. red.; DEYEVA, V.M., tekhn. red.

[School of Vladimir Svetlichnyi] Shkola Vladimira Svetlich-  
nogo. Moskva, Sel'khozizdat, 1962. 95 p. (MIRA 15:7)  
(Sugar beets)



YEGOROV, G.A.

Some characteristics of grain wetting and dehydration. Izv.vys.  
ucheb.zav.; pishch.tekh. no.1:13-18 '64. (MIRA 17:4)

1. Moskovskiy tekhnologicheskii institut pishchevoy promyshlennosti,  
kafedra promyshlennoy pererabotki kukuruzy.

YEGOROV, G.A., kand.tekhn.nauk

Mechanism of water penetration into the caryopsis. Trudy MTIPP  
no.19:65-69 '62. (MIRA 17:4)

DMITRIYEV, S.V.; YEGOROV, G.A.; KUZ'MIN, G.A.; MITROFANOV, I.Ya.

Position pulse-phase programmed control system. Trudy KAI no.78:11-17  
'63. (MIRA 18:10)

YEGOROV, G.

In cooperation with physicians. Okhr. truda i sots. strakh. 3 no.8:  
13-15 Ag '60. (MIRA 13:9)

1. Predsedatel' fabriki Orekhovskogo khlopchatobumazhnogo kombinata.  
(Moscow Province—Cotton manufacture—Hygienic aspects)

GORDON, M.M.; YEGOROV, G.B.; LEBEDEV, L.M.

Effect of tanning wastes from the "Skorokhod" Factory on the  
technical characteristics of portland cement. Trudy LTI  
no.59:60-64 '61. (MIRA 17:9)

DANYUSHEVSKIY, S.I., kand. tekhn. nauk; YEGOROV, G.B., kand. tekhn. nauk;  
BELOV, L.V., inzh.

Improvement of the system of technological control of cement manu-  
facture. TSement 31 no.2:3-5 Mr-Apr '65. (MIRA 18:8)

1. Gosudarstvennyy vsesoyuznyy institut po proyektirovaniyu i  
nauchno-issledovatel'skim rabotam tsementnoy promyshlennosti.  
Leningrai.

21.1320  
5.2200  
AUTHORS:

TITLE:

PERIODICAL:

5693 69635  
S/078/60/CC5/05/10/037  
B004/B016  
Yegorov, G. F., Fomin, V. V., Frolov, Yu. G., Yagodin, G. A.

Solvate Forms of Zirconium- and Hafnium Nitrates With Tri-  
butyl Phosphate

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 5,  
pp. 1044-1050

TEXT: In the introduction, the authors mention in brief the problems dealt with: preparation of zirconium with a minimum hafnium content, investigation of the mechanism of the  $(C_4H_9O)_3PO$  (TBP) extraction, investigation of the solvate form. Next, they describe the purification of the reagents. The partition coefficients of Zr and Hf were determined by means of  $Zr^{95}$  and  $Hf^{181}$ . The resultant  $Nb^{95}$  was separated from  $Zr^{95}$  by means of  $MnO_2$ . The extractions were carried out at  $20^\circ$  and at a zirconium- and hafnium concentration of  $10^{-5}$  moles/l. First of all, the extraction of nitric acid by tributyl phosphate (TBP) at different acidity and concentration of the  $NO_3^-$

Card 1/3

Solvate Forms of Zirconium- and Hafnium  
Nitrates With Tributyl Phosphate

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B004/B016

ions was investigated. In this connection, the authors refer to papers by A. S. Solovkin (Ref. 2), A. M. Rozen (Ref. 6), V. V. Fomin, and Ye. P. Mayorova (Refs. 3,4,7). The existence of the complexes  $TBP \cdot HNO_3$  and  $TBP \cdot 2HNO_3$ , assumed by the last-mentioned authors in Ref. 7, and the values of their instability constants (0.22 and 0.00044) were confirmed experimentally (Table 1). Xylene was used as the solvent for TBP. The dependence of the nitric-acid extraction on the concentration of hydrogen ions and in the presence of  $NaNO_3$ ,  $NH_4NO_3$ ,  $LiNO_3$  or  $Mg(NO_3)_2$  is shown in table 2. The mechanism assumed of  $HNO_3$  extraction holds in a wide range also in the presence of an excess of  $NO_3^-$  ions. It is proved for the extraction of Zr and Hf that the partition coefficients  $d$  are proportional to the concentration of free TBP in the organic phase. The number of solvating TBP molecules was determined from the dependence of  $\log d$  on  $\log(TBP)_{org}$ . Experimental data for zirconium are presented in table 3, for hafnium in table 4. It resulted that partition coefficients of Zr and Hf increased with increasing TBP con-

Card 2/3



Solvate Forms of Zirconium- and Hafnium  
Nitrates With Tributyl Phosphate

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B004/B016

centration in the organic phase. On the basis of the diagram  $\log \alpha$ ,  $\log(\text{TBP})$  (Fig. 1), the formation of the solvate  $\text{Me}(\text{NO}_3)_4 \cdot 2\text{TBP}$  results, for low TBP concentrations and the solvate  $\text{Me}(\text{NO}_3)_4 \cdot 2\text{TBP}$  for higher TBP concentrations. At  $\text{HNO}_3$  concentrations of 5 moles/l the formation of more complicated complexes is assumed, which, however, was not further investigated. Figs. 2,3 depict the dependence of the partition coefficients of Zr and Hf on the hydrogen-ion concentration and the concentration of the added nitrates. The  $\alpha$ -values decrease with decreasing hydrogen-ion concentration. This decrease, however, depends on the type of the added nitrate. In the presence of  $\text{NH}_4^+$  and  $\text{Na}^+$ , bivalent ions,  $\text{ZrO}^{2+}$ , or  $\text{Zr}(\text{OH})_2^{2+}$  are dissolved. The deviation of the dependence of  $\alpha$  from linearity in the presence of  $\text{Li}^+$  and  $\text{Mg}^{2+}$  is explained by a stronger hydration of these ions. There are 3 figures, 4 tables, and 7 references, 6 of which are Soviet.

SUBMITTED: February 4, 1959

Card 3/3

YEGOROV, G.G.

ca

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Concentration of ferro-quartzites from the Staro-Bukol District in Kursk. G. G. YEGOROV, *Gorno Obogatitelnoe Delo* 1932, No. 4 6, 11 20. The possibility of concg. Kursk magnetite, contg. 32-38% Fe, by magnetic and other methods, is discussed. Expts. yielded a concentrate 50% by wt. of the original mass, contg. 60-62% Fe, which represents 100% of the original Fe content. S. I. M.

AND SLA DETAIL OF LITERATURE CLASSIFICATION

YEGOROV, G.G.

ca

9

Prepared from ore from the Kursk Magnetic Anomaly for open-hearth furnaces. G. G. LEVY, *Gorno-Obzhef Int'l. Bur. No. 4, 22 7 (1903).*—The ore was prepared for open-hearth use by 3 methods: (a) hammering of raw ore, (b) crushing of raw ore, and (c) crushing of raw ore with (d) liquid glass and CaCl<sub>2</sub> and (e) roasted ores with (f) CaCl<sub>2</sub> and (g) rotary tubular ovens at temp. 1000° C. The resulting material was then crushed in a ball mill, (h) passing in a muffle and rotary tubular ovens at temp. 1000° C. and (i) agglomeration in Giessewa's furnace. The final method is best because it yields good lump iron of low S content. B. Z. Kamich

ASD-31A METALLURGICAL LITERATURE CLASSIFICATION

YEGOROV,, G.G.

"The Theory of Crushing and Pulverization" (bk) by Engineer, G. G. Yegorov. Reviewed by Margolin, I. Z. Tsvet. Met. 14, No. 9, Sept. 1939.

FDD Report U-1506, 4 Oct 1951.

YEGOROV, G. G.

Tablitsy prevysheniya vychislyayemykh po rasstoyaniyam, izmerennym dal'nomerom, dlya uglov naklona ot 0 do 30 degrees. (Tables of excesses calculated according to intervals measured by range finder for angles of inclination from 0 to 30 degrees)

Izd. 4. Moskva, Geodezizdat, 1952.

46 P. Tables.

N/5  
621.21  
.Y4  
1952

YEGOROV, G.G.

337

PHASE I BOOK EXPLOITATION

Yegorov, G.G.

Tablitsy prevysheni, vychislyayemykh po rasstoyaniyam, izmerennym dal'nomerom dlya uglov naklona ot 0 do 30° (Tables of Elevations, Computed From Distances Measured With a Range Finder for Inclination Angles of 0 to 30°) 9th ed. Moscow, Geodezizdat, 1957. 46 p. 12,000 copies printed.

Tech. Ed.: Romanova, V.V.

PURPOSE: The purpose of these tables, computed for planetable and stadia surveys, is to facilitate field operations. The additional special tables are to assist in calculation of elevations and horizontal projections for distances determined by tape measurements or trigonometric computations.

Card 1/2

GORYANSKIY, V.Yu.; YEGOROV, G.I.; ZREKEL', Ya.D.

Paleogeography and stratigraphy of the lower Carboniferous in the  
northwestern wing of the Moscow Basin [with summary in English].  
Sov. geol. 1 no.6:54-73 Je '58. (MIRA 11:10)

1. Severo-Zapadnoye geologicheskoye upravleniye.  
(Moscow Basin--Geology)

YEGOROV, G.I.

From the experience in the reorganization of Omsk Leather  
Factory. Kozh. obuv. prom. 5 no.7:36-37 JI '63.

(MIRA 16:8)

(Omsk—Leather industry)



SMELOV, N.S.; YEGOROV, G.I.; KOKOLIN, A.I.; KSANFOPULO, P.I.; RAKHMANOVA, N.V.;  
KRYLOVA, Ye.Ye.; RYKOVA, L.K.; PER, M.I.; PETRUSHEVSKIY, S.I.; PUSTOVAYA,  
A.I.; TUNGSKOVA, A.I.; VELICHKO, Ye.V.; PLAVIT, P.Ya.; GOL'DENBERG, M.M.

Evaluation of results of the treatment of early syphilis according  
to 1949 scheme. Vest. vener., Moskva No.1:29-33 Jan-Feb 52. (CIML 21:4)

1. Professor for Smelov and Per. 2. Central Skin-Venereological Institute  
(Director--N.M. Turanov) for Smelov, Yegorov, Sokolin, Ksanfopulo,  
Rakhmanova, Krylova and Rykov; Hospital imeni Korolenko (Head Physician  
Docent V.P. Volkov) for Per, Petrushevskiy; First Venereological Dis-  
pensary (Head Physician--K.A. Vinogradova) for Pustovaya and Tunguskova;  
Second Venereological Dispensary (Head Physician--V.G. Bronshteyn) for  
Velichko, Plavit and Gol'denberg.

YEGOROV, G.I.

Treatment of early syphilis with penicillin, bismuth, and mercury.  
Vest. vener., Moskva no. 4:36-38 July-Aug 1952. (GIML 23:3)

1. Candidate Medical Sciences. 2. Of the Department of Syphilology  
(Head -- Prof. N. S. Smelov), Central Skin-Venereological Institute  
(Director -- Candidate Medical Sciences N. M. Turanov), Ministry of  
Public Health USSR.

YEGOROV, G. I.

"Registration of Patients with Venereal Diseases, Tuberculosis of the Skin, Favus, Trichophytoses, and Microsporoses and Medical Reporting in Dermato-Venereological Dispensaries," p. 52

Handbook on the Organization of the Control of Venereal and Infectious Skin Diseases, Moscow, Medgiz, 1957 edited by N. M. Turanov and A. A. Studnitsin

with Ya. L. Yudin, "The Organization and Methods of Controlling Pyodermatoses in Industry and Among Agricultural Workers," p. 129 *ibid.*

YEGOROV, G.I.; BOGUN, V.V.

~~-----~~ Brief report on the work of the All-Russian conference of dermatologists  
and venereologists held in Gorkiy on June 17-21, 1957. Vest.derm.  
i ven. 32 no.1:87-90 Ja-F '58. (MIRA 11:4)  
(DERMATOLOGY) (VENEREOLOGY)

ROZENTUL, M.A., prof.; VASIL'YEV, T.V.; YEGOROV, G.I.; MASLOV, P.Ye.;  
RAKIMANOVA, N.V.; KHAMAGANOVA, A.V.; SHOGINA, M.P.

Bicillin-3 in the treatment of syphilis. Vest.derm.i ven.  
no.11:35-39 '61. (MIRA 14:11)

1. Iz otdela sifilidologii (zav. - prof. M.A. Rozentul) Tsentral'-  
nogo nauchno-issledovatel'skogo kozhno-venerologicheskogo insti-  
tuta (dir. - dotsent N.M. Turanov) Ministerstva zdravookhraneniya  
RSFSR.

(SYPHILIS) (BICILLIN—THERAPEUTIC USE)

ROZENTUL, M.A.; VASIL'YEV, T.V.; YEGOROV, G.I.; MASLOV, P.Ye.; KHANAGANOVA,  
A.V.; RAKHMANOVA, N.V.

Treatment of syphilis with bicillin-3. Antibiotiki 6 no.9:36-41  
3 '61. (MIRA 15:2)

1. Otdel sifilidologii TSentral'nogo kozhno-venerologicheskogo instituta  
Ministerstva zdavookhraneniya RSFSR.  
(SYPHILIS) (BICILLIN)

ROZENTUL, M.A., prof.; VASIL'YEV, T.V., kand.med.nauk; YEGOROV, G.I.,  
kand.med.nauk; MASLOV, P.Ye., kand.med.nauk; KHAMAGANOVA, A.V.,  
kand.med.nauk; RAKHMANOVA, N.V.

Treatment of syphilis with bicillin-1 and bicillin-3. Sov.med.  
25 no.2:105-109 F '61. (MIRA 14:3)

1. Iz otdela sifilidologii (zav. - prof. M.A.Rozentul) Tsentral'nogo  
kozhno-venerologicheskogo instituta (direktor - kand.med.nauk N.M.  
Turanov) Ministerstva zdravookhraneniya RSFSR.  
(SYPHILIS) (PENICILLIN)

OVCHINNIKOV, N.M., prof.; VASIL'YEV, T.V.; YEGOROV, G.I.; TURANOV, N.M., kand.  
med.nauk; SAZONOVA, L.V.

Clinical evaluation of the Treponema immobilization reaction in  
syphilis. Vest. dermat. i ven. no.2:63-71 '65.

(MIRA 18:10)

1. Mikrobiologicheskiy otdel (zav. - prof. N.M.Ovchinnikov) i  
sifilidologicheskiy otdel (zav. - prof. M.A.Rozentul) Tsentral'nogo  
nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta  
(direktor - kand.med.nauk N.M.Turanov; zamestitel' direktora po  
nauchnoy chasti - prof. A.A.Studnitsin) Ministerstva zdravookh-  
raneniya SSSR, Moskva.



YEGOROV, G.L., inzh.; ZAKHAROV, Yu.V., kand. tekhn. nauk

Regulating atomizers and air feed in mazut-fired marine  
boilers. Trudy NIIVTa no.10:85-90 '62. (MIRA 16:6)

(Boilers, Marine—Firing)  
(Atomization)

YEGOROV, G.L., inzh.

Methods of testing steam-driven atomizers by models. Trudy  
NIIVTa no.10:91-97 '62. (MIRA 16:6)

(Atomization--Models)  
(Steam engineering)

YEGOROV, G.N.

DECEASED  
c 1960

1962/6

SEE ILC

GEOMAGNETISM

21

YE GOROV, G. N.

The regularities underlying variation of the components of the ash of coals from the Donetz coal basin. G. N. Egorov. *Doklady Akad. Nauk S.S.S.R.* 43, 10-22; *Compt. rend. acad. sci. U.R.S.S.* 43, 10-22 (1944) (in English).—Maps are given showing isolines of equal content of various components of ash ( $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{CaO}$  and  $\text{MgO}$ ) of coal samples from the Donetz basin. The ash of coals from the northern Donetz region is more fusible, owing to larger content of  $\text{CaO}$  and  $\text{Fe}_2\text{O}_3$ . With a decrease in the thickness of the coal-bearing deposits and a change in the granulometric compn. of sandstones to the north and northwest, there is a decrease in the  $\text{SiO}_2$  and  $\text{Al}_2\text{O}_3$  content of the ash. A corresponding increase in  $\text{CaO}$  and  $\text{Fe}_2\text{O}_3$  is accompanied by an increase in the thickness of companion limestones and an increase in the concretionary siderite inclusions in the carboniferous coal-bearing deposits.

J. W. Perry

YEGOROV, L. N.

ca

21

Regularly of distribution of coal ash components throughout the area of the Pechora Basin, and the degree of weathering of coal from data of technical analysis and analysis of coal ash. G. N. Yegorov. *Compt. rend. acad. sci. U.R.S.S.* 47, 180-181, *Doklady Akad. Nauk S.S.S.R.* 47, 508-511 (1945). - Coals of the Pechora Basin show, regardless of compn., a decrease in the components of the ash from east to west, except for CaO which increases. The compn. of the ash depends on the compn. of the enclosing rocks. No relation between the compn. of any grade of coal and compn. of the ash has been established. The ratio of the amt. of volatiles in the combustible mass to the amt. of CaO in the ash indicates the degree of weathering in all grades of coals. Weathered coals have higher volatile and CaO content. Mayonic Hooket

ASH-SEA DETAILING LITERATURE CLASSIFICATION

GROUP	CLASS	NUMBER	DATE	REMARKS
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
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99	99	99	99	99
100	100	100	100	100

YEGOROV, G.N.

Effect of vitamins on the effectiveness of emergency prophylaxis;  
experimental data. Vest.AMN SSSR 17 no.3:28-37 '62. (MIRA 15:4)

1. Voenno-meditsinskaya akademiya imeni S.M.Kirova.  
(VITAMIN THERAPY) (PLAGUE) (STREPTOMYCIN)

YEGOROV, G.N.

Dynamics of changes in tissue oxidation-reduction processes in the body as a result of parenteral administration of streptomycin. Antibiotiki 8 no.2:144-147 F'63. (MIRA 16:7)

1. Voenno-meditsinskaya ordena Lenina akademiya imeni Kirova.  
(STREPTOMYCIN) (OXIDATION—REDUCTION REACTION)

KIRKYEYEV, Mikhail Ivanovich; KOVARSKIY, Aleksandr Il'ich; YEGOROV,  
G.P., nauchnyy red.; RYCHEK, T.I., red.; PERSON, M.N.,  
tekhn.red.

[Construction and operation of electric power plants, electric  
substations, and electric power transmission lines] Montazh i  
eksploatatsiya elektricheskikh stantsii, podstantsii i linii  
peredach. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat,  
1960. 422 p. (MIRA 14:1)

(Electric power plants) (Electric power distribution)



IVANOV, N.A., prof., YEGOROV, G.P., KOVAL', P.I., GAVRISH, I.A. (Leningrad)

Clinical aspects of oleogramulomas caused by injections of cod-liver oil. Vrach.delo no.3:297 Mr'58 (MIRA 11:5)

1. Kafedra kozhnykh i venerisheskikh bolezney (nach. - prof. polkovnik meditsinskoy sluzhby S.Ye. Gorbovitskiy) Voenno-meditsinskoy akademii im. Kirova.  
(COD--LIVER OIL)  
(TUMORS)

YEGOROV, Grigoriy Pavlovich; KOVARSKIY, Aleksandr Il'ich; MASANOV,  
N.F., nauchnyy red.; YAKUBOVICH, I.L., red.; TOKER, A.M.,  
tekhn. red.

[Design, installation, operation, and repair of industrial  
electric units] Ustroistvo, montazh, ekspluatatsiia i remont  
promyshlennykh elektroustanovok. Moskva, Proftekhizdat, 1961.  
526 p. (MIRA 15:7)

(Electric engineering)

L 37677-66 EWT(1) IJP(c) AT/GD

ACC NR: AT6022256

SOURCE CODE: UR/0000/66/000/000/0063/0067

AUTHOR: Yegorov, G. P.; Mestechkin, Ya. I.; Shubin, L. V.

53

B11

ORG: none

TITLE: Investigation of speed-distribution of electrons in magnetically-formed beams

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966.  
Sektisiya elektroniki. Doklady. Moscow, 1966, 63-67

TOPIC TAGS: electron beam, SHF, magnetron

ABSTRACT: The results are briefly reported of an experimental investigation of electron-speed spectra (axial components) in an axisymmetrical cylindrical electron beam formed by a longitudinal magnetic field. The electron gun and the magnetic field were so designed that the electron beam had minimum pulsation and was near-laminar. The distribution of current density over the beam diameter, at 5 mm from the electron-optical system, is shown. Findings: (1) The measured spectrum width exceeds that of the Maxwellian distribution; (2) The spectrum width decreases from the edge to the center of the beam; (3) Maximum electron energies differ from the anode potential, which can be explained by the presence of a tangential velocity component and by a rotation of electrons. Orig. art. has: 4 figures. [03]

SUB CODE:09 / SUBM DATE: 09Apr66 / ORIG REF: 005 / OTH REF: 002

Card 1/1

YEGOROV, G. S.

PA 65T102

USSR/Radio Receivers  
Radio Reception

May 1948

"Local Controls for a Radio Receiver," G. S.  
Egorov, Engr, 3 pp

"Vest Svyazi - Elektro-Svyaz'" No 5 (98)

With an increase in the number of radio centers in the USSR, there has been greater demand for clearer reception and transmission. Describes system that has local controls for the radio receiver, thus enabling control of the reception quality of the apparatus. Describes the receiver, audio amplifier and rectifier, volume indicator, frequency indicator, signal intensity indicator, and various auxiliary equipment for the panel.

65T102

L 15178-66 EWT(m)/EWP(w)/T/EWP(t)/EWP(z)/EWP(h) LIP(c) JN/HN  
ACC NR: AP6002664

SOURCE CODE: UR/0126/65/020/006/0837/0844

AUTHOR: Kotel'nikov, N. V.; Bobrov, Yu. V.; Yegorov, G. V.; Sokolov, L. N.

ORG: none

TITLE: Investigation of the magnetic properties of chemically deposited nickel films

SOURCE: Fizika metallov i metallovedeniye, v. 20, no. 6, 1965, 837-844

TOPIC TAGS: metal film, nickel, ferromagnetic material, magnetic property, hysteresis loop, phosphorus

ABSTRACT: This is a continuation of previous investigations (Kotel'nikov et al. Izv. AN SSSR, ser. fiz., 1961, 25, 5, 655; DAN SSSR, 1962, 143, 4, 908; Izv. SO AN SSSR, 1962, no. 6, 105; Izv. SO AN SSSR, ser. tekhn. nauk, 1963, 10, 3, 142) with the difference that it deals with the ferromagnetic properties of chemically deposited Ni films with a structure gradually varying from specimen to specimen (crystalline in first specimens and amorphous in the last specimens). The formation of ferromagnetic properties of the films was investigated as a function of oscillographically plotted hysteresis loops and differential curves in 1 and 10 kilo-cps fields. Bath composition (g/liter):  $\text{NiSO}_4, 30$ ;  $\text{NaMH}_2\text{PO}_2, 10$ ;  $\text{NaC}_2\text{H}_3\text{O}_2, 10$ . On this basis certain properties of the chemically produced films are tentatively explained since the mechanisms of formation and the structure of these films so far remain unknown. As the bath solution becomes

Card 1/2

UDC: 539.216.22:621.318.1.538

L 15178-66  
ACC NR: AP6002664

spent, the ferromagnetic properties of the films diminish. The structure of the specimens gradually changes from crystalline to amorphous the higher the number of the specimen is (the number of specimens immersed in the bath, one after another, is 20, and each is present in the bath for 20 min; thus each bath solution was used for a total of 400 min). Chemical deposition proceeds in two stages: formation of crystal nuclei and growth of crystals. It may be assumed that in the initial specimens, at the moment of formation of deposit on the substrate, the density of crystal nuclei is much lower than in the subsequent specimens and hence the initial specimens acquire a sufficiently well-expressed crystalline structure and the corresponding high ferromagnetic properties. The gradual decrease in the magnetization of the films from specimen to specimen appears to be partly due to the occupation of the d-subshell of Ni by valent electrons of P (the amount of P in the deposit is the greater the higher the number of the specimen). Moreover, the P impurity is bound to enlarge the critical dimensions of the crystallites (crystal nuclei) and reduce the ferromagnetic Curie point. "The authors are indebted to B. N. Barskiy for handling the X-ray structural analysis of the specimens, as well as to M. N. Kalugin and A. M. Lyatokh for determining the P content of the films." Orig. art. has: 5 figures.

SUB CODE: 11, 20/ SUBM DATE: 18Jun65/ ORIG REF: 006/ OTH REF: 001

Card

2/2

YERJONOV, T. Yo.

"Errors of Ballistic Galvanometers in Measurements of Inductance Circuits with Ferromagnetic Cores." Cand Tech Sci, All-Union Sci Res Inst of Metrology imeni D. I. Mendeleev; Committee on Standards, Measures and Measuring Instruments, Council of Ministers USSR, Leningrad, 1955. (KL, No 11, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

Yegorov, G. Ye.

AUTHOR: Yegorov, G. Ye., Nazarenko, G. T., and Moiseyev, V. P.

TITLE: On Evaluation of Conversion of Residual Austenite in a Strip of Spring Steel (Ob otsenke prevrashcheniy ostatochnogo austenita v pruzhinnoy lente)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, No. 1, pp. 52-55 (U.S.S.R.)

ABSTRACT: The authors describe their studies of structural changes taking place in a strip of metal during processing by observing the changes in the magnetization of saturation  $4\pi I_s$  and the coercive force  $H_c$ . By the magnitude of the magnetization of saturation the amount of residual austenite A was determined in accordance with the formula:

$$A = \frac{a-b}{a} \cdot 100\%$$

where a is the highest value of  $4\pi I_s$  for a given brand of steel and b the value of  $4\pi I_s$  at the tempering temperature being studied. The various steps in the process are described with diagrams and graphs: schematic section of the electro-magnet, circuit of the device for measuring the magnetization, circuit of the device for measuring the coercive force, and graphs of magnetization and temperature curves. There is

Card 1/2



On Evaluation of Conversion of Residual Austenite in  
a Strip of Spring Steel

1 Slavic reference.

ASSOCIATION: Leningrad Polytechnical Institute imeni M. I. Kalinin  
(Leningradskiy politekhnicheskoy institut im. M. I. Kalinina)

PRESENTED BY:

SUBMITTED:

AVAILABLE:

Card 2/2

14(0)

SOV/92-59-2-34/40

AUTHOR: Yegorov, I.

TITLE: Nine Hundred Fifty Private Houses (950 individual'nykh domov)

PERIODICAL: Neftyanik, 1959, Nr 2, p 32 (USSR)

ABSTRACT: The author reproduces a photograph showing a number of private houses under construction, and states that 950 private houses for oilmen are being built in Oktyabrskiy (Bashkir ASSR) with the help of the cooperative association and municipality which offered 300 lots of land to the oilmen. Nine hundred and fifty private houses, the construction of which started in 1957-1958, occupy an area of 28,000 m<sup>2</sup>. The first drilling office of the Tuymazaburneft' is particularly successful in the construction development.

Card 1/1

YEGOROV, I.; STOLYPIN, V.

White Russian innovators share their experiences. Stroitel' 8  
no.3:11-21 Mr '62. (MIRA 15:8)  
(White Russia--Building--Technological innovations)

YEGOROV, I. (Moskva).

Efficient automatic volume control circuit. Radio no.10:58  
'56. (MLRA 9:11)

(Radio circuits)

YEGOROV, I., dots.; DOBRYNINA, P., assistant

Composition of the milk of Jersey and East Friesian cows. Nauka 1  
op. v sel'khoz. 8 no.11:59-60 H '58. (MIRA 11:12)

1. Moskovskaya veterinarnaya akademiya.  
(Milk--Composition)

YEGOROV, I.

Paraffin control. Neftianik 5 no.10:12-13 0 '60. (MIRA 13:10)  
(Paraffins)

YEGOROV, I., inzh.

Bathrooms without glued waterproofing. Stroitel' no.6:26 Je '61.  
(MIRA 4:7)

(Bathrooms)

(Waterproofing)

YEGOROV, I.

Quartz filter for the prevention of selective fading. Radio  
no.2:39-41 F '61. (MIRA 14:9)

(Radio filters)

(Radio, Shortwave--Receivers and reception)



YEGOROV, I.

Hourly graph. Mast.prom.i khud.promys. 2 no.7:8 J1 '61.  
(MIRA 15:1)

1. Nachal'nik tsekha zavoda "Plastmass", g. Novosibirsk.  
(Novosibirsk--Plastics industry--Quality control)  
(Socialist competition)

KRAPIVNER, L.M.; AKHMEDOV, A.M., prof.; YEGOROV, I.; IVANOV, M.M., prof.;  
PAVLOVSKIY, V.V., kand.veterin.nauk

Book reviews and bibliography. Veterinariia 41 no.3:112-117 Mr '64.  
(MIRA 18:1)

1. Smarkandskiy sel'skokhozyaystvennyy institut (for Akhmedov).

YEGOROV, I.

Competition between two progressive enterprises. Neftianik 1 no.12:  
21-22 D '56. (MIRA 12:3)  
(Petroleum industry)

YEGOROV, I.

Aiding lagging sectors. Neftianik 5 no.1:4-5 Ja '60.

(MIRA 13:11)

(Efficiency, Industrial)

YEGOROV, I.

Gaganova's followers. Neftianik 5 no.11:3-4 N '60.  
(Efficiency, Industrial)

(MIRA 13:11)

YEGOROV, I.; PROKOF'YEV, A.

In the oil regions of our country. *Neftianik* 5 no.1:30-33 Ja '60.  
(MIRA 13:11)

(Petroleum industry)

KARASIK, G.Ye.; MIRONICHEV, V.; YEGOROV, I.; BATYROV, R.; DZUSOV, B.;  
VAKHRAMEYEV, A.

In the oil regions of our country. Neftianik 6 no.1:30-33 Ja '61.  
(MIRA 14:4)

(Petroleum industry)

YEGOROV, I.A.

Method of group distribution of unbalanced moments in the  
calculation of frames. Trudy Ural. politekh. inst. no.102:  
83-93 '61. (MIRA 16:11)



YEGOROV, I. A.

PA 27/49T72

USSR/Mathematics - Calculus  
Mathematics - Integrals

Feb 49

"The Principle of Localization in the Theory of  
Interpolation," I. A. Yegorov, 3 pp

"Dok Ak Nauk SSSR" Vol LXIV, No 4

Determines exactly what the system of interpolation  
groups must be for the principle of localization  
to hold true among functions which are integrable  
in (R). Submitted 27 Nov 48.

27/49T72

YEGOROV, I.A.

[Repair of windings on large-sized alternating current motors] Remont ob-  
motok krupnykh elektrodvigateli peremennogo toka. Moskva, Gos.energ.izd-  
vo, 1953. 151 p. (MLRA 6:7)  
(Electric motors, Alternating current)

YEGOROV, I.A., inzh.

Use of gas-generating peat tar. Torf. prom. 38 no.6:28-30  
'61. (MIRA 14:9)

1. Vladimirskiy khimicheskii zavod.  
(Peat)

12

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Chemical changes in black tea during storage. I. A. Egorov. *Sovet. Subtropiki* 1938, No. 2, 91-3; *Khim. Referat. Zhur.* 1, No. 11-12, 1621 (1938).—The upper limit of permissible moisture for Gruzin tea is about 13%; this corresponds to 82% relative humidity. Teas with a larger percentage of moisture are in danger of becoming moldy. Total extractible substances and chlorophyll are considerably decreased on storing. The "aging" of tea is expressed in the change of the aroma caused by the changes in the essential oils (the decompn. of the complex ethers, the decrease of the amt. of the volatile fractions, etc.), which are the greater the higher the moisture content.

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